

CBA Captain[®]

(tested as CICA1521)

Desi Chickpea (Central QLD)

Broadly adapted desi chickpea

Prepared by NSW DPI, April 2024



KEY FEATURES

- CBA Captain[®] is a broadly adapted desi chickpea variety.
- In central QLD growing environments, CBA Captain[®] yields lower than PBA Drummond[®], PBA Seamer[®] and PBA Pistol[®] but higher than Kyabra[®] and PBA HatTrick[®].
- CBA Captain[®] is early flowering and early to mid-maturing in central QLD growing environments.
- CBA Captain[®] has a similar flowering time to PBA Drummond[®] but matures slightly earlier.
- CBA Captain[®] has good plant height, good height to lowest pod and good lodging resistance.
- Excellent harvestability.

Yield

CBA Captain[®] has been evaluated in central QLD NVT testing since 2015.

Please see <https://app.nvtonline.com.au> for location specific yield data.

Long term (2019–2023) predicted yield of CBA Captain[®] and current varieties in central Queensland

GRDC NATIONAL VARIETY TRIALS		Predicted yield (% of mean)				
		2019	2020	2021	2022	2023
Variety	Number of trials	2	3	3	2	1
PBA Drummond [®]	11	106	104	106	109	101
PBA Pistol [®]	11	104	101	102	108	100
PBA Seamer [®]	11	106	102	101	103	100
CBA Captain [®]	10	98	99	99	100	
Kyabra [®]	10	99	99	96	89	
PBA HatTrick [®]	11	94	96	93	89	96
Mean yield (t/ha)		1.93	2.45	2.33	3.68	2.81

CBA Captain[®] and Kyabra[®] were not included in the 2023 central QLD NVT.

Source: <https://app.nvt.grdc.com.au/lty/table/chickpea-desi/qld/cq/>

Disease management

Please see <https://nvt.grdc.com.au/nvt-disease-ratings?crop=17&state=QLD>

Ascochyta blight (AB)

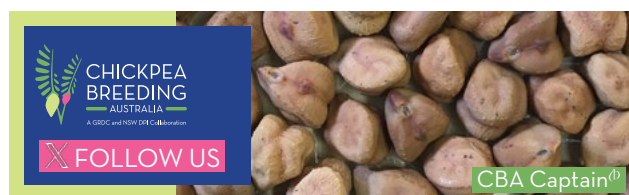
CBA Captain[®] has a NVT pulse disease rating for Ascochyta blight of Moderately Susceptible (MS) in the northern region. This is the same rating as PBA Seamer[®]. CBA Captain[®] has a higher NVT pulse disease rating for Ascochyta blight than PBA HatTrick[®] which is Susceptible (S), and PBA Drummond[®], PBA Pistol[®] and Kyabra[®] all Very Susceptible (VS).

Botrytis grey mould (BGM)

CBA Captain[®] has a disease rating for Botrytis grey mould of Susceptible (S), the same as all other current chickpea varieties.

Phytophthora root rot (PRR)

CBA Captain[®] has a NVT pulse disease rating for Phytophthora root rot of Susceptible (S). This is the same rating as PBA HatTrick[®] and PBA Seamer[®], but higher than PBA Boundary[®], PBA Drummond[®] and Kyabra[®].



Seed quality

CBA Captain[®] has a medium seed size, with a yellow-brown seed coat and angular seed shape. The seed size of CBA Captain[®] is larger than PBA HatTrick[®], similar to PBA Seamer[®] and PBA Drummond[®], but smaller than Kyabra[®].

CBA Captain[®] has a higher or similar split yield than PBA Drummond[®] and PBA HatTrick[®] from trials at six sites across southern QLD and northern NSW.

Seed protection & royalties

CBA Captain[®] is protected under Plant Breeder's Rights (PBR) legislation. Growers can only retain seed from their CBA Captain[®] production for their own use.

An end point royalty (EPR) of \$4.95 per tonne (GST inclusive), which includes breeder royalties, applies upon sale of this variety.

Seed of CBA Captain[®] can be ordered from:



07 4633 5555



07 4670 0400

www.chickpeabreedingaustralia.com.au



CHICKPEA BREEDING AUSTRALIA

Better pulse varieties faster

Chickpea Breeding Australia (CBA) is a collaboration between NSW DPI and GRDC that sees \$30M invested in the capacity and capability of the former Pulse Breeding Australia (PBA) Chickpea Program to breed better varieties faster.

CBA Captain[®] was developed by the PBA Chickpea Program, led by NSW Department of Primary Industries, with partners GRDC, Department of Agriculture and Fisheries (QLD), Agriculture Victoria and the South Australian Research and Development Institute.

FOR MORE INFORMATION

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Department of
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